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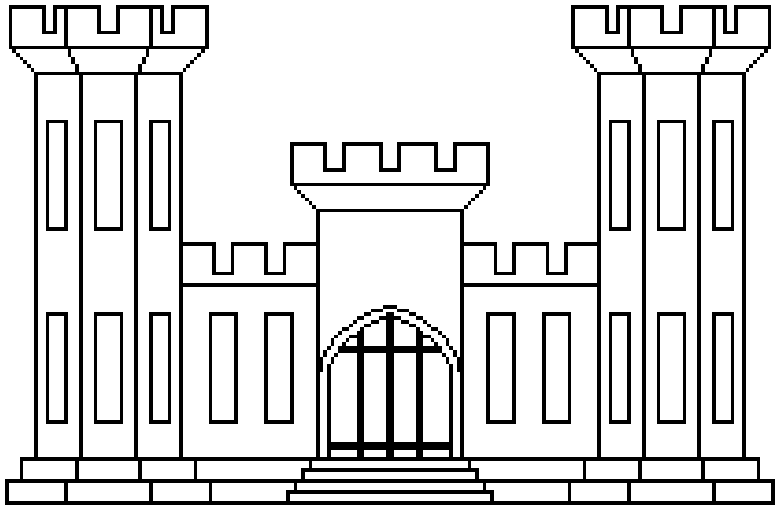
U.S. Army Corps of Engineers

Engineering & Construction Update

Tri-Service Cost Engineering
Steering Committee
San Diego, CA
8-12 Dec 2003



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Weekly Agenda

- Review of Military, Civil Works & Environmental Programs
- HQ USACE 2012, Community of Practice, Regional Integration Team
- Civil Works Programs Review
- TRACES & Equipment Manual Update
- FY04 Training
- Status of Certification Program & By-Laws Update
- Sustainability
- Virtual Design Team Initiative
- Support to War Effort

Major Objectives

Discuss USACE 2012 reorganization and its impact on how we will continue to provide cost engineering support and services to the DoD, ACSIM, MSC, Regional Business Centers, and Districts.

Develop a Sub-Community of Practice Implementation Plan for Cost Engineering

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Sub-CoP Implementation Plan for Cost Engineering

The Implementation Plan should include definition, purpose, goals, intended participants, roles, products and services, tools, techniques, procedures, milestones for implementation, and metrics.

ER 15-1-36, Boards, Commissions, and Committees

COMMITTEE ON COST ENGINEERING

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AGENDA

- Military Programs Review *THRU 4th Quarter FY03*
- Support to the War Effort
- Virtual Design Teaming (VDT) Pilot Project
- Major Challenges & Concerns

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Military Programs Review

THRU 4th Quarter FY03

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Summary of All Programs

Program	4th Quarter FY02 Actual/Goal	4th Quarter FY02 Status	4th Quarter FY03 Actual/Goal	4th Quarter FY03 Status
MILCON * **				
Army MILCON	167/166	101%	118/114	104%
Air Force MILCON	118/116	102%	102/103	99%
DoD/SFO MILCON	72/69	104%	32/30	107%
TOTAL MILCON	**357/351**	**102%**	**252/247**	**102%**
DoD Reimbursable Orders	**$2.59B/$2.26B**	**115%**	**$4.1B/$2.59B**	**158%**
Environmental				
Army / DoD	$484/$422M	115%	$480M/$434M	113%
SFO	$514M/$405M	127%	$542M/$446M	122%
TOTAL Environmental	**$998M/$827M**	**121%**	**$1022M/$880M**	**116%**

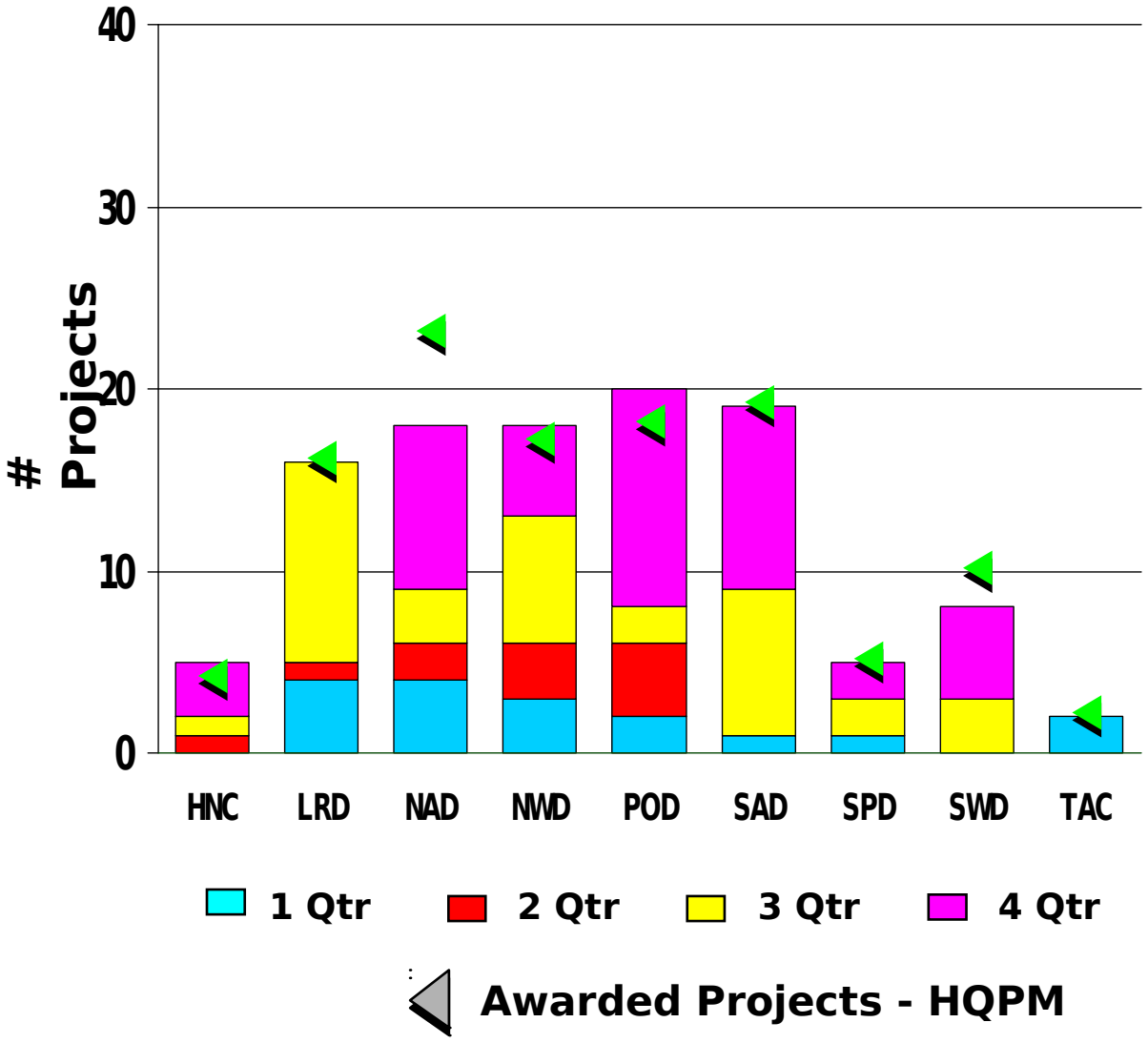
*** NOTE: The actual awards amounts include 16 advances that were not forecasted.

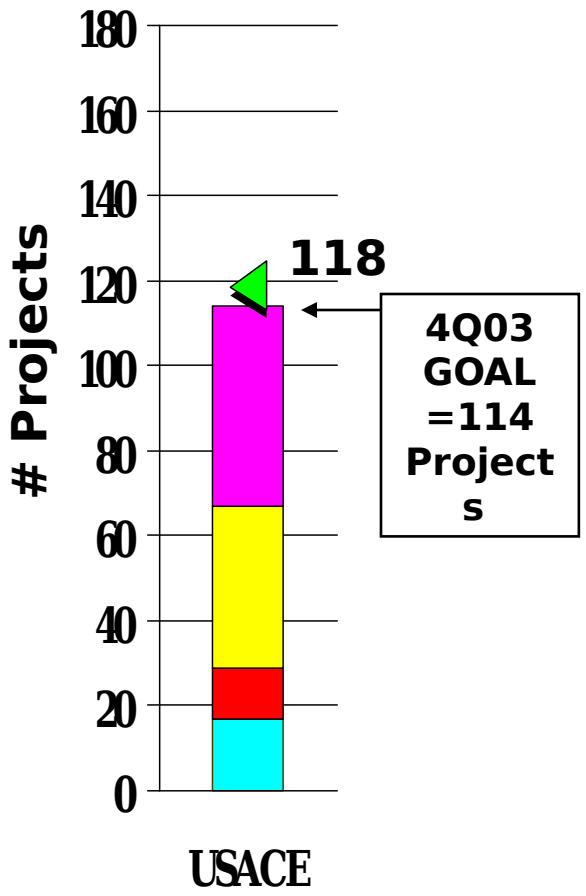
Army MILCON = 11, Air Force MILCON = 1 and DoD/SFO MILCON = 4

MILCON - Army Programs - $1.623B
FY GOAL = Award 100% of 114 Projects

Current Rating

EOY Rating

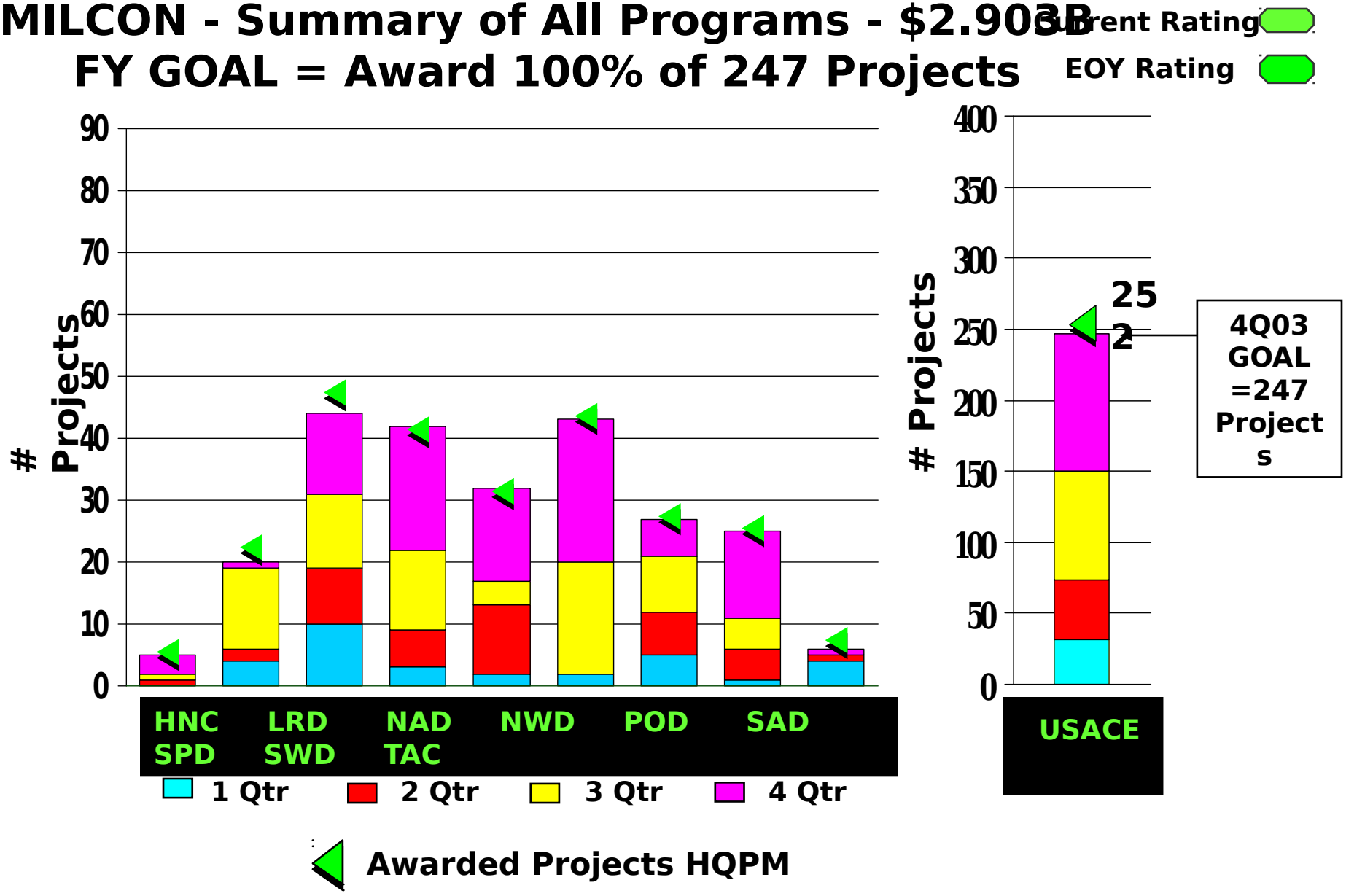




Awarded Projects - HQPM

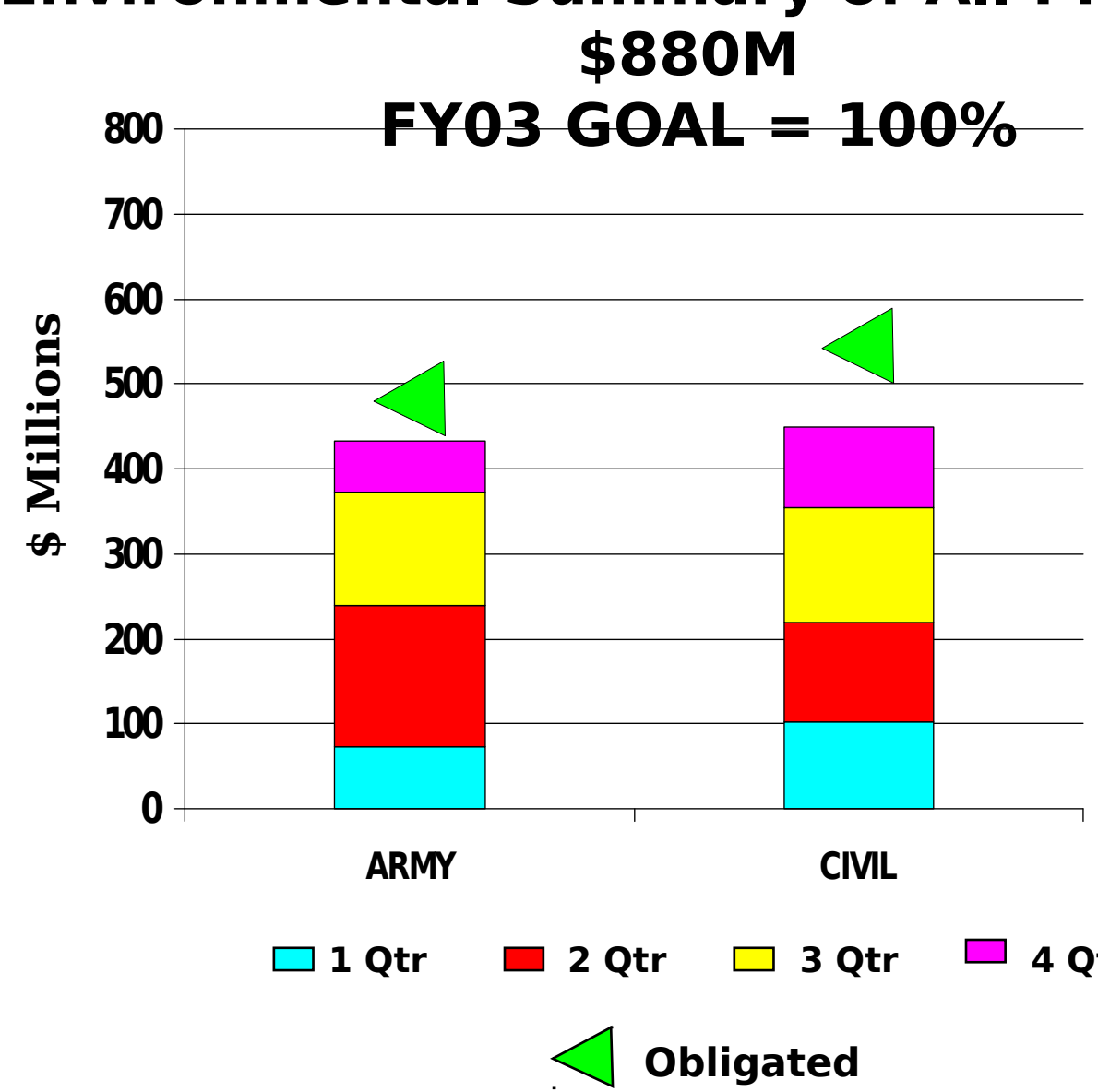
*** USACE Total contains 2 Navy & 1 Other project

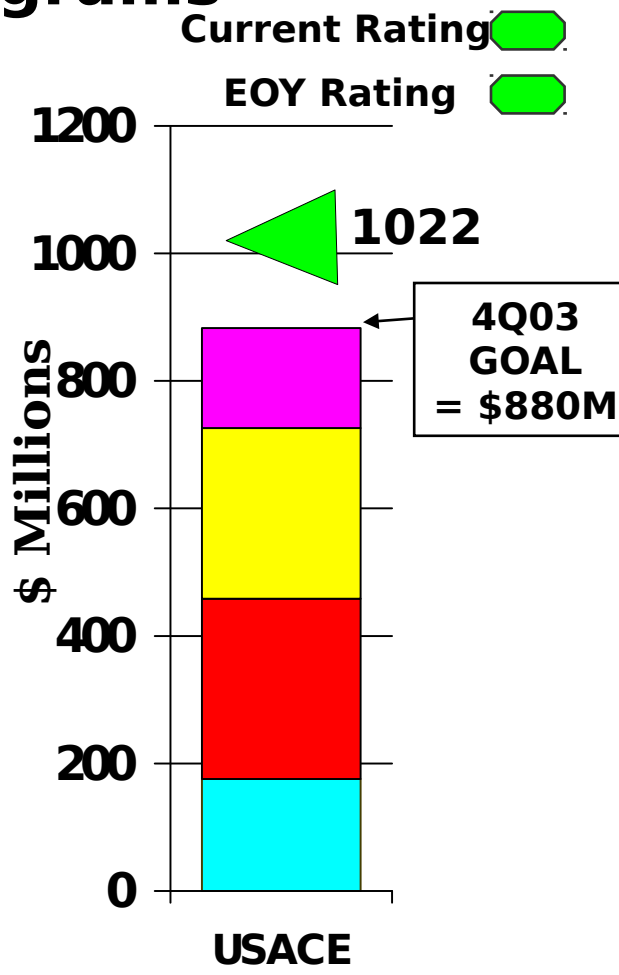
MILCON - Summary of All Programs - $2.903B
FY GOAL = Award 100% of 247 Projects



*** USACE Total contains 2 Navy & 1 Other project

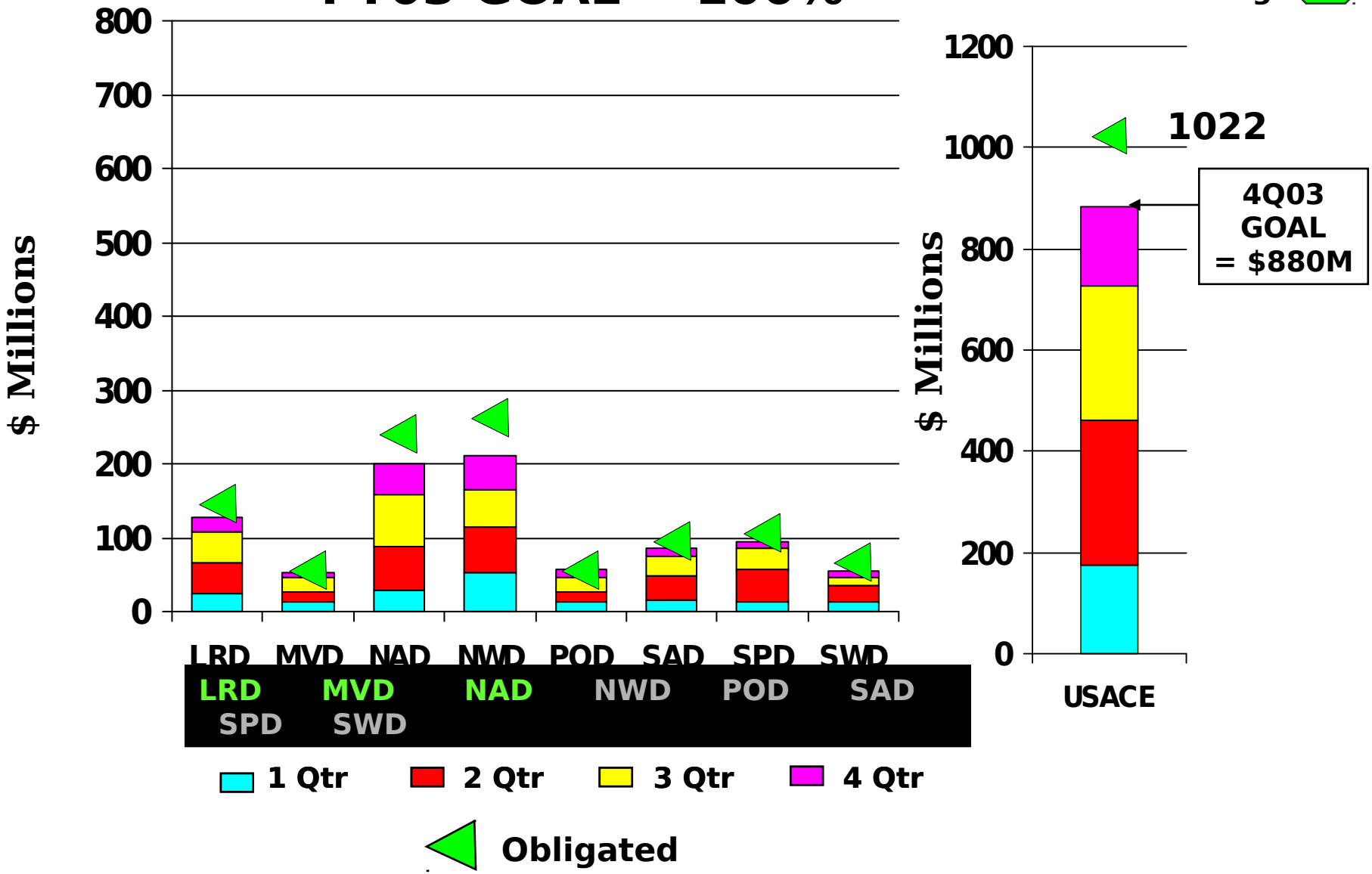
Environmental Summary of All Programs - $880M FY03 GOAL = 100%





Environmental Summary by MSC - $880M

FY03 GOAL = 100%



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New USACE Iraq Division (CEIZD)

- USACE will stand up a new Division Office (Gulf Regional Division) and three districts in Iraq in Jan. 2004
- MG Johnson will be its first commander for a period of approximately 6 months.
- Recruitment for personnel for the new division office is underway.
- Have asked for $35M this year & $43M next year to pay for employees.
- Will offer one year tours.

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New USACE Iraq Division (CEIZD)

Major Elements	REQ	AUTH
Gulf Regional Division	**118**	**102**
Northern District	**309**	**127**
Central District	**287**	**154**
Southern District	**230**	**105**
Afghan District		
Totals	**944**	**488**

As of 18 Nov '03

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New USACE Iraq Division (Cost Engineers)

Major Elements	REQ	AUTH
Gulf Regional Division	**1**	**1**
Northern District	**18**	**3**
Central District	**13**	**3**
Southern District	**8**	**2**
Totals	**40**	**9**

As of 18 Nov '03

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Other Iraq Initiatives

- Tasked to Restore Iraq Electric Capability. Approx. $1.1 Billion Effort
- Asked by USAID to Monitor The Becthel Corporation Contracts
- Over the next year the Corp is looking at a $15 Billions Construction Program to Rebuild Iraq & Afghanistan.
- Asked by USAID and Ambassador of Afghanistan to construct & repair all of their secondary roads.
- Construction Agency for the Afghan National Army
- Stanley Consultant & Baker International Requested Assistant From TAC to develop 3000 Programming Estimates

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Virtual Design Teaming (VDT)

The Corps will used PBMP, P2, and Projectwise to work virtually between this Division and these Districts and our OCONUS offices.

We need to make sure that our Cost Engineering business process and tools are a part of this suite of programs.

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Virtual Design Teaming (VDT) Pilot Project:

The C*e*A Design Team is working closely with the NAD Virtual Design Team (VDT) on a Virtual Engineering Pilot between NAD and Europe District. The VDT PDT met with 3 A/E firms operating globally (Ch2MHill, Jacobs, Bechtel) to review their Processes and Best Practices. They selected Bentley's *ProjectWise* software for design file sharing. Huntington District will migrate servers to ERDC ITL/CPC for Corps wide access.

Expanded to incorporate potential full CONUS support to Iraq and Afghanistan

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Major Concerns

- Retirements & Recruitment
- Technical Control over RACER, PACES and PC-Cost
- Cost Engineering Support to Middle East
- HQ USACE 2012
- Sub Community of Practice Implementation Plans
- Inadequate 4% Design Fee for D-B Projects
- Regional Business Cost Engineering Functions
- FY04 Training
- Status of Certification Program & By-Laws Update
- GAO Audit Report: Outdated Hopper Dredge Data
- OnScreen Software Reading EBS Drawings

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Major Challenges

- Sustainability (SDD) Policy & Cost Template
- HAG Data (CWE vs. PA) & Server
- DD1391 Certification & ENG3086 Validation
- Involvement in Planning & Design Charrettes
- Peer Review of Civil Works Projects
- MII Transition Plan
- Virtual Design/Cost Teaming (Iraq, RBC, etc)
- PARC Memo Requesting Contract Award Data for D-B Project.

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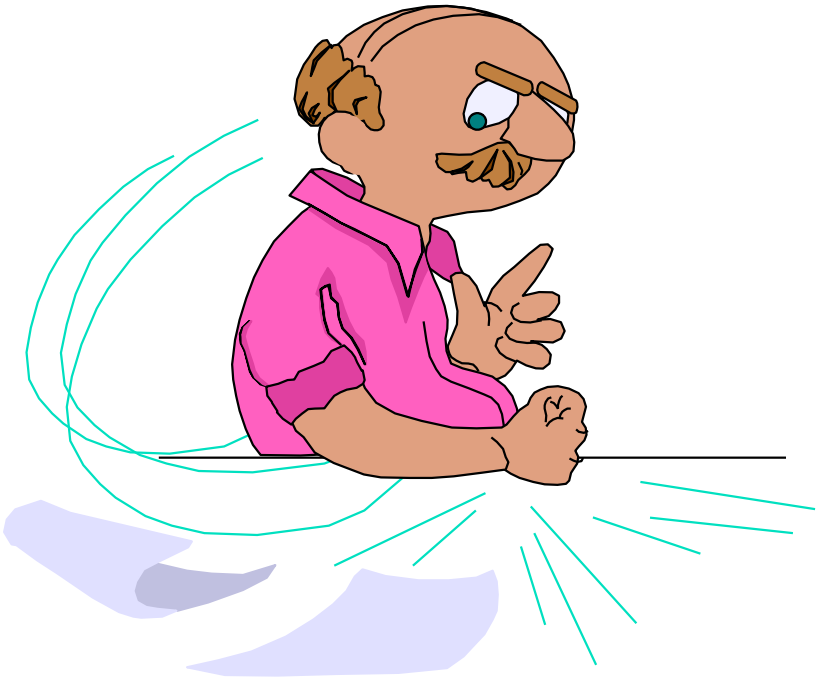
Major Challenges

- A76/Fair Act (Out Sourcing)
- Establish Partnership with Private Industry



CLOSING DISCUSSION

Objective

The objective of this committee is to focus on all USACE cost engineering activities necessary to ensure effective, reliable development of all cost estimates. The goals are:

- Participate in development of Corps-wide guidance.
- Recommend studies, investigations, and research designed to provide improved techniques and guidance.
- Render consulting service and/or advice on specific cost engineering issues and problems as requested by various elements of the Corps of Engineers.
- Maintain a continuing evaluation of the state-of-the-art for cost engineering application.
- Disseminate pertinent information.
- Promote cost engineering career development track.

ER 15-1-36, Boards, Commissions, and Committees

COMMITTEE ON COST ENGINEERING

Scope of Committee Activities

This committee will address all topics in the areas of cost engineering such as roles and responsibilities, personnel staffing, training and career development, automated systems, standardization of final product, standardization of process, maintenance of historical data base, future development of cost data base, Tri-Service issues, and interface with other elements within the Corps of Engineers.